FIG. 1
Prior Art

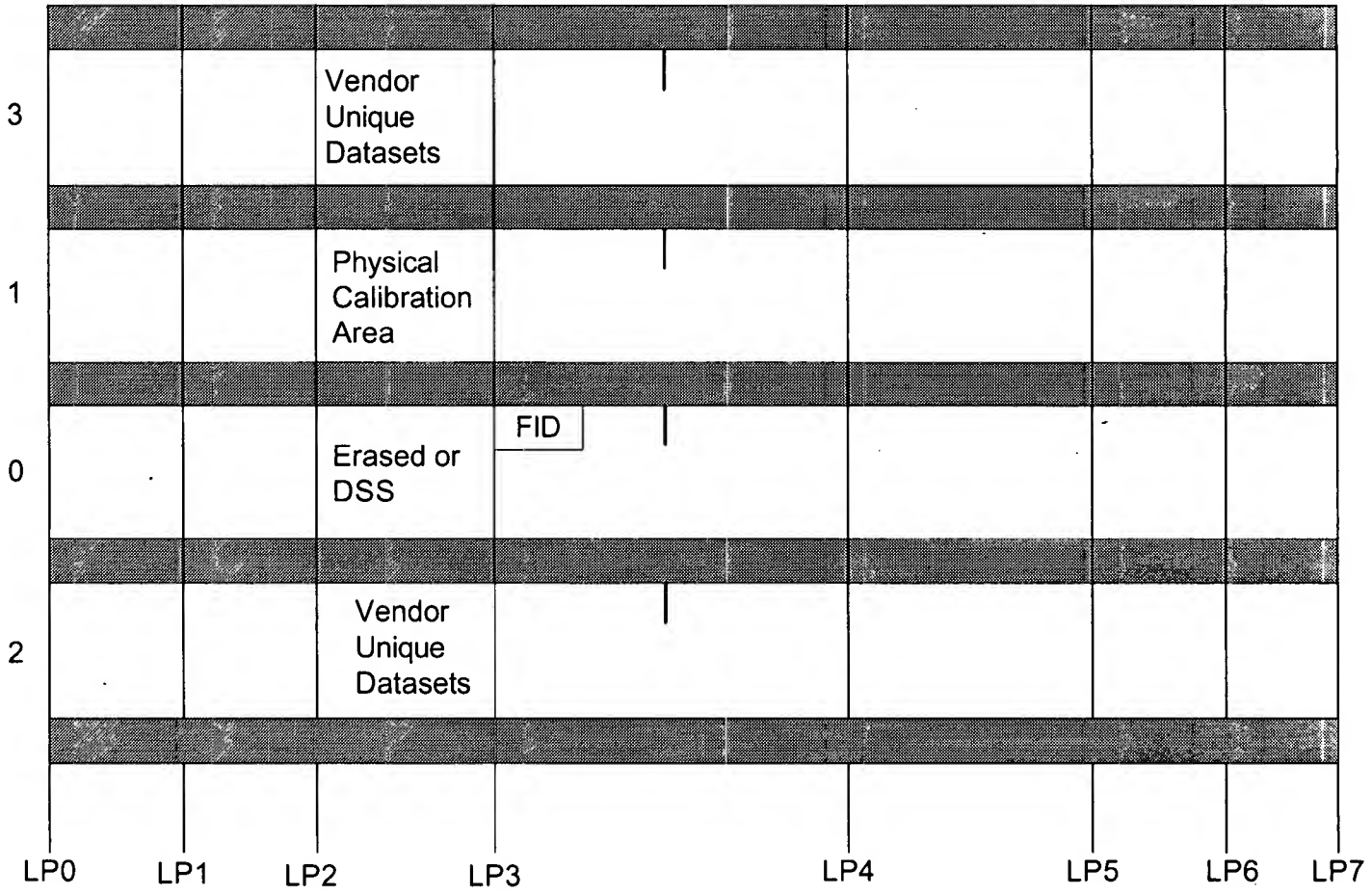

FIG. 2

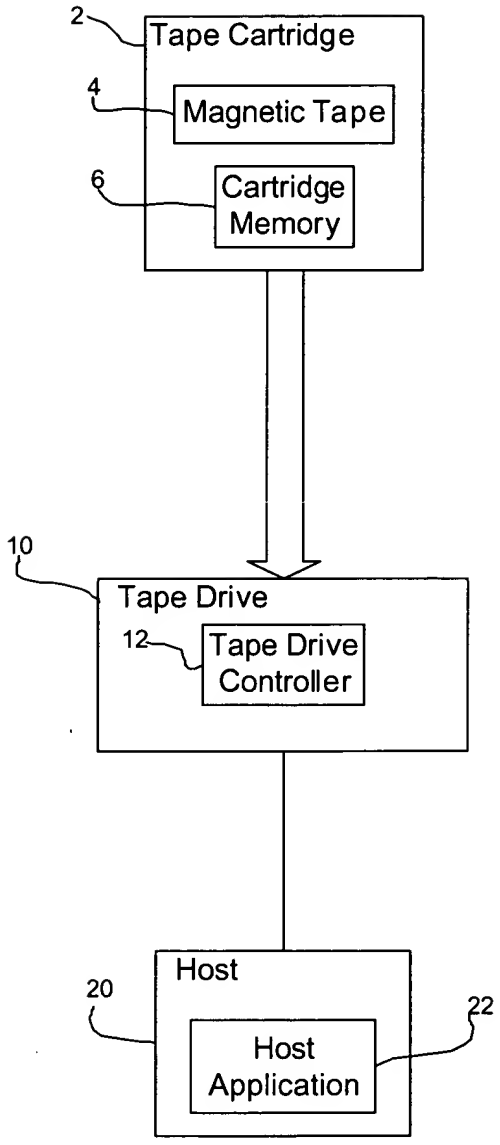

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FIG. 3

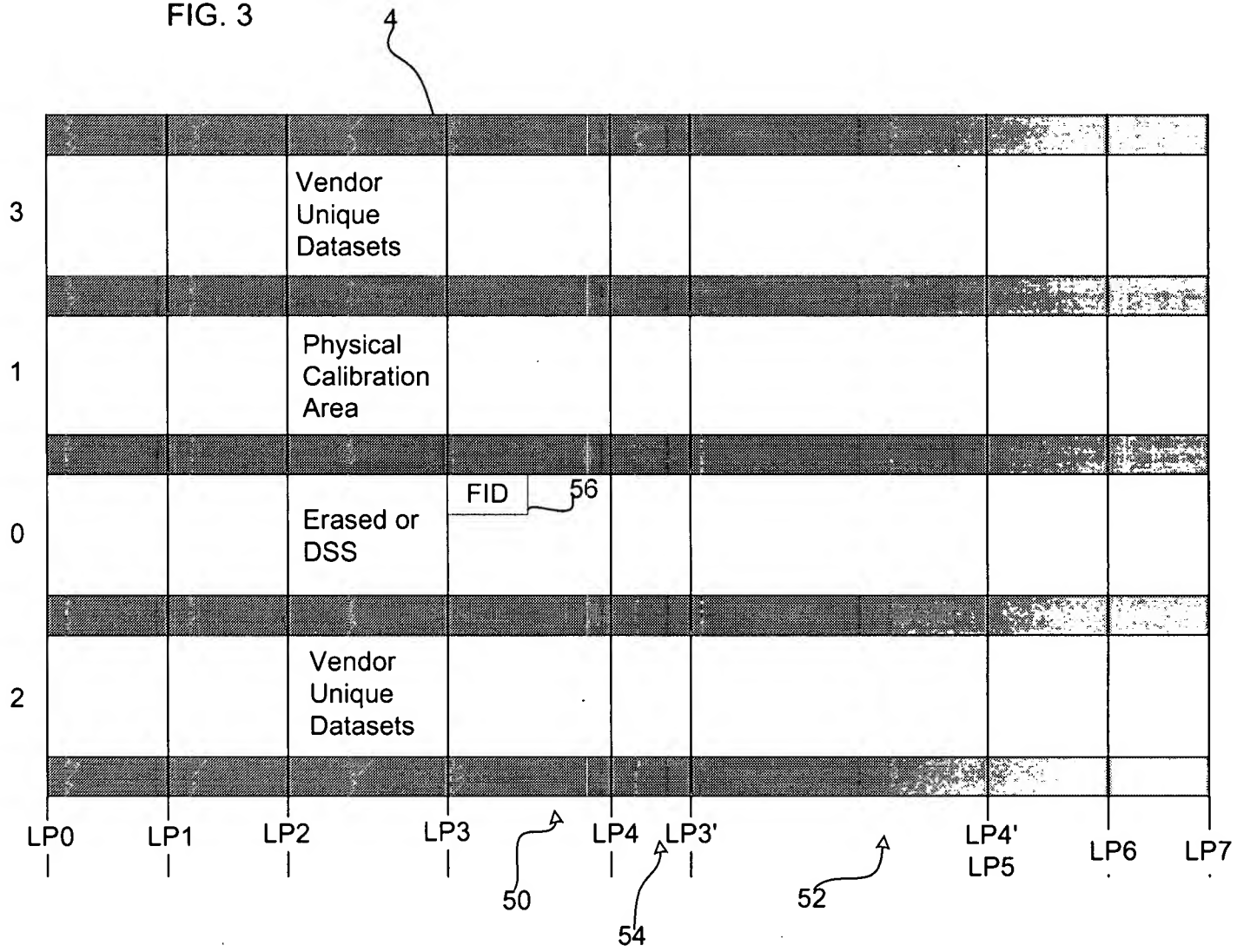
4
3
Vendor Unique Datasets
1
Physical Calibration Area
FID
56
0
Erased or DSS
2
Vendor Unique Datasets
LP0
LP1
LP2
LP3
LP4
LP3'
LP4' LP5
LP6
LP7
50
52
54

FIG.4

FIG.4

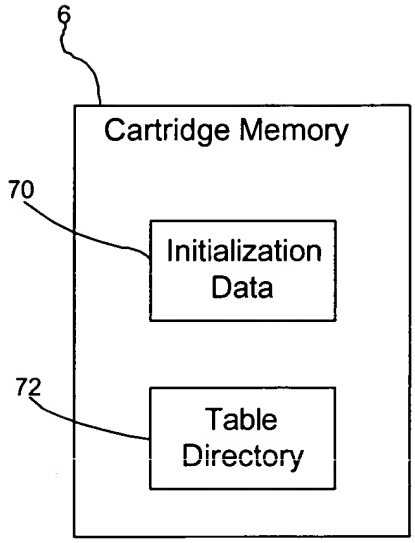

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FIG.5

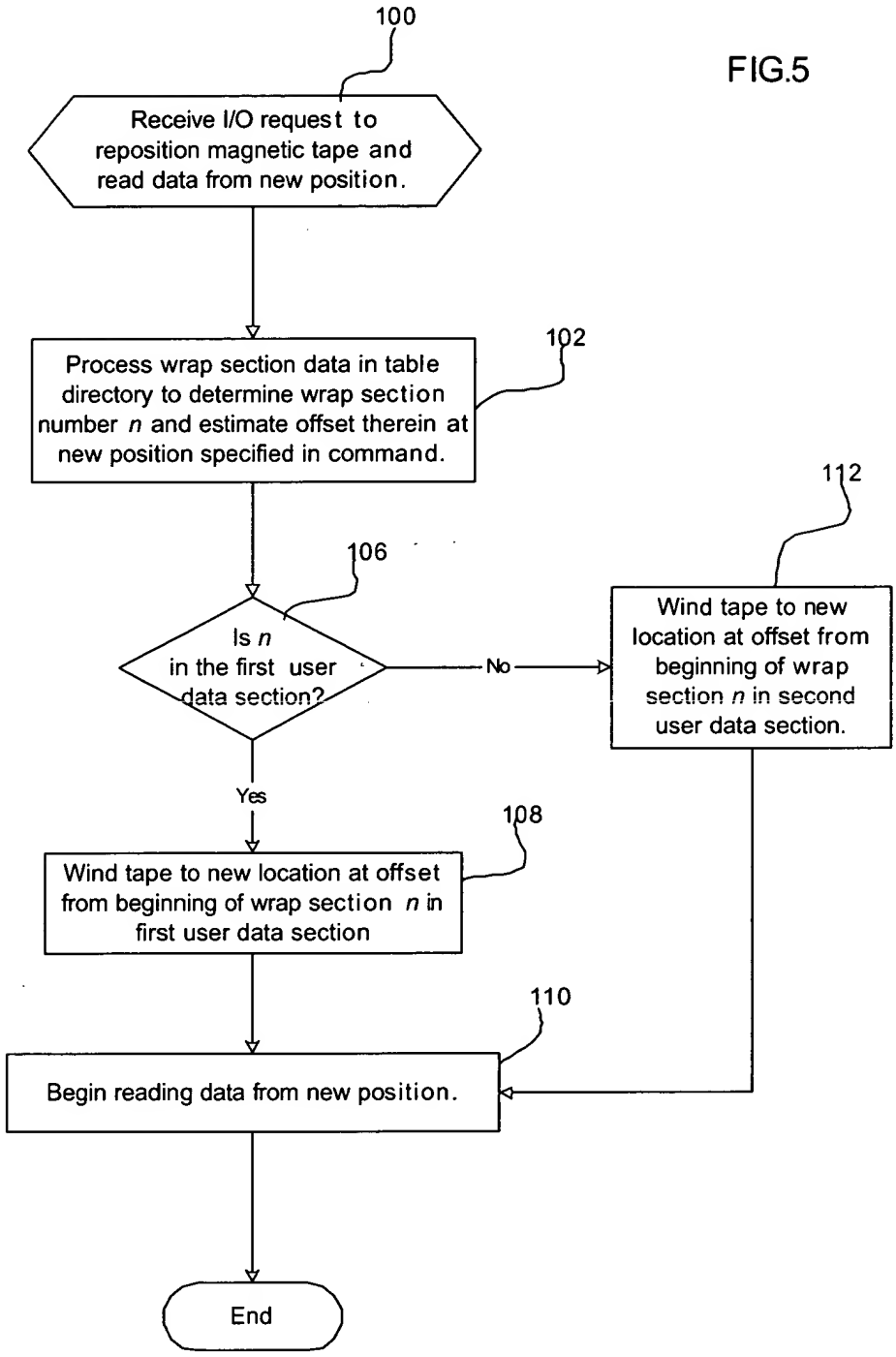
100
Receive I/O request to reposition magnetic tape and read data from new position.
102
Process wrap section data in table directory to determine wrap section number n and estimate offset therein at new position specified in command.
106
Is n in the first user data section?
No
112
Wind tape to new location at offset from beginning of wrap section n in second user data section.
Yes
108
Wind tape to new location at offset from beginning of wrap section n in first user data section
110
Begin reading data from new position.
End

FIG.6

Wrap Section	Begins	Ends	Direction
0	LP3	LP4	Forward
1	LP4	LP3	Backward
2	LP3	LP4	Forward
3	LP4	LP3	Backward
....	....	.....	.....
46	LP3	LP4	Forward
47	LP4	LP3	Backward
48	LP3'	LP4'	Forward
49	LP4'	LP3'	Backward
50	LP3'	LP4'	Forward
51	LP4'	LP3'	Backward
52	LP3'	LP4'	Forward
...	....	....	....
94	LP3'	LP4'	Forward
95	LP4'	LP3'	Backward

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FIG.7

Wrap Section	Begins	Ends	Direction
0	LP3	LP4	Forward
1	LP4	LP3	Backward
2	LP3	LP4	Forward
3	LP4	LP3	Backward
....	....	.....	.....
46	LP3	LP4	Forward
47	LP3'	LP4'	Forward
48	LP4'	LP3'	Backward
49	LP3'	LP4'	Forward
50	LP4'	LP3'	Backward
51	LP3'	LP4'	Forward
52	LP4'	LP3'	Backward
...	....	....	....
94	LP4'	LP3'	Backward
95	LP4	LP3	Backward

FIG 7 - 0 5 2 3 5 0 5 0 - 0 0 0 0 0 0